NXOS Series : Mechanical tunable Free Running DRO (FRDRO) - Typical Specifications

	CRO	DRO				
Frequency Range in GHz	0.5 - 2.8	2.8 - 9.0	9.0 - 14.0	14.0 - 16.0	16.0 - 18.5	18.5 - 23.0
Mechanical Tuning Bandwidth in MHz	N/A	+/- 25	+/- 25	+/- 25	+/- 25	+/- 25
Frequency Stability in ppm/C (over temp)	+/-25	+/- 5	+/- 5	+/- 5	+/- 5	+/- 5
Output Power in dBm (over temp)	+12	+12	+11	+10	+8	+8
Frequency Accuracy in MHz	+/- 1	+/- 1	+/- 2	+/- 2	+/- 2	+/- 2
Power variation in dB (over temp)	< 2.0	< 2.0	< 3.0	< 3.0	< 3.0	< 3.0
Power variation in dB (over tuning range)		< 2.0	< 2.0	< 2.0	< 2.0	< 3.0
Pulling in MHz (1.5:1 VSWR)	+/- 0.5	+/- 0.5	+/- 1.0	+/- 1.5	+/- 2.0	+/- 1.0
Pushing in KHz/V	20	20	20	20	20	20
Harmonics in dBc (typ)	-15	-15	-20	-25	-25	-25
Spurious in dBc (typ)	-75	-75	-75	-75	-75	-75
Typical Phase Noise in dBc/Hz @ 10 KHz offset	-95	-95	-90	-87	-83	-83
@ 100 KHz offset	-123	-123	-120	-117	-113	-113
@ 1 MHz offset	-140	-140	-140	-135	-130	-130
Operating Temperature (base plate)	0 to +60 deg C (Military temperature range available)					
Power Supply	+12 +/- 3% VDC, 100 mA typical					
RF Connector	SMA Female (Field replaceable option available)					
DC Connector	Solder pin					
Size: Length X Width (inches)	1.00 X 1.75					2.25 X 2.25
Size: Height (exclude tuning screw) (inches)	.63	.75	.63	.63	.63	.63
Outline:	DC200209	DC200104 REV 1A				DC200102 Rev.4
Weight (in ounces):	1.6					
Other outline options:	Triple Bit Osc. DC200201 Rev. B					
	SMT DC200215A					
Notes: Dual and Triple Bit Osc (3 to 15 GHz) available in DC200202 and DC200201 Rev B outline. Voltage Tune option available.						
Please note: Guaranteed phase noise is 5 dB higher than typical. Better phase noise available.						
Phase noise plots (in GHz)	3.5, 6.5, 6.95, 14.4, 17.25					

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